icosse is established

L	Value	s	Φ	f
10/	8+	0	111	000
120	8.	_	111	000
130	NaN	×	111	Not (0 0 0)
140	0+	0	000	000
150	0 -	_	000	000
160	(-1)s2e-bias(1. f)	×	Not (0 0 0) and Not (1 1 1)	×
170	(-1)s2e-bias + 1(0. f)	×	000	Not (0 0 0)
-				

FIG. 1

X = Don't Care

FIG. 1 (Prior Art)

·	OPERATION	FIRST OPERAND	SECOND OPERAND	IEEE Result	Improved Result
205~	FP ADDITION w/ Round toward + ∞	- ∞ + ∞	+ ∞ - ∞	NaN NaN	+ ∞ + ∞
206~	FP ADDITION w/ Round toward - ∞	- ∞ + ∞	+ ∞ - ∞	NaN NaN	- ∞
207~	FP SUBTRACTION w/ Round toward + ∞	+ ∞ - ∞	+ ∞ - ∞	NaN NaN	+ ∞ + ∞
208~	FP SUBTRACTION w/ Round toward - ∞	+ ∞ - ∞	+ ∞ - ∞	NaN NaN	- ∞ - ∞
210~	FP MULT w/ Round toward + ∞	+ ∞ - ∞	- 0 + 0	NaN NaN	- 0 - 0
215~	FP MULT w/ Round toward - ∞	+ ∞ - ∞	- 0 + 0	NaN NaN	+ 0 + 0
220~	FP DIV w/Round toward + ∞	- & + 0 + 0 - 0 + 0 + 0	+ &	NaN NaN NaN NaN NaN NaN NaN	- 0 - 0 - 0 - 0 + \display + \display + \display + \display
225	FP DIV w/Round toward - ∞	+ \infty - \infty - 0 + 0 + \infty - \infty - \infty - 0 - 0	- \infty + \infty + 0 - 0 + \infty - \infty + 0 - 0	NaN NaN NaN NaN NaN NaN NaN	- \infty - \

FIG. 2





